

$$V = \frac{2\pi x}{2} \frac{y dx}{1}$$

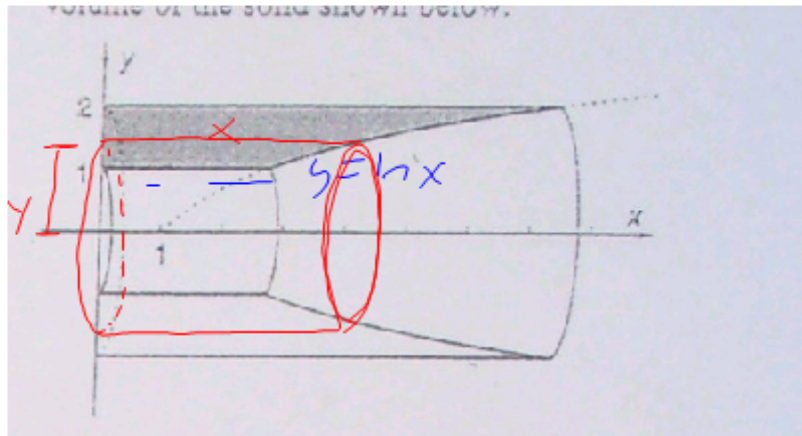


$$V = 2\pi x (4x - x^2) dx$$

$$2\pi \int_0^3 (4x^2 - x^3) dx$$

$$\rightarrow \left. \frac{4x^3}{3} - \frac{x^4}{4} \right|_0^3$$

$$= \frac{63\pi}{2}$$

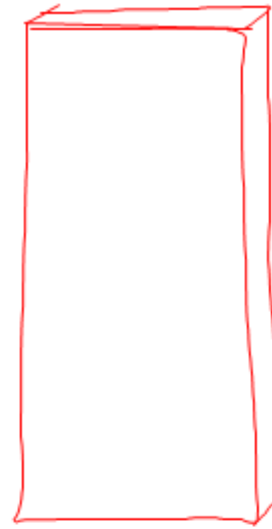


$$y = \ln x$$

$$e^y = x$$

$$\int_1^2 2\pi y x dy$$

$$\text{frint}(f_{10}) = 46.42$$



$$L_1 \quad L_2 = 2\pi L_1 e^{L_1} 0.1$$

1.1		$\Sigma = 50.3$
1.2		
...		
2.0		

Sect. 7.3

#33, 34, 35-38(2), 39, 45-48, 53, 70